



Advanced Internet Computing

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Advanced Internet Techniques

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Internetapplikationen

WS 2009/2010

Schahram Dustdar, Philipp Leitner, Martin Vasko

VitaLab, Distributed Systems Group
Vienna University of Technology

<http://www.infosys.tuwien.ac.at>

- General LVA Information:

- On the Internet:

- <http://www.infosys.tuwien.ac.at/teaching/courses/Internetapplikationen.html> (Lecture)
 - <http://www.infosys.tuwien.ac.at/teaching/courses/IntAppl/> (Lab)
 - <http://www.infosys.tuwien.ac.at/teaching/courses/IntAppl/forum> (Lab Forum)
 - <https://stockholm.vitalab.tuwien.ac.at/dsg-teaching-web/student/studentLogin.htm> (Registration)
 - Important changes are communicated via TUWIS++ .



- People:
 - Lecture: Prof. **Schahram Dustdar**
 - Lab: Philipp Leitner, Martin Vasko
 - Tutor: Tobias Doenz

- Contact:
 - intappl@infosys.tuwien.ac.at



- Lecture:
 - Will be held **blocked**
 - Starting next week
 - For concrete dates check the lecture page
 - Always on ***Mondays, 15:00 to 17:00***
 - Room: check with lecture web page
 - Usually EI 9

- Topics discussed:
 - Focused on **Service-Oriented Computing**
 - Web Standards (SOAP, WSDL, WS-BPEL, ...)
 - RESTful Web Services
 - Implementation of Web Services in Java
 - **JAX-WS, JAX-RS**
 - Service Mashups
 - Open Research Questions in SoC

- Grading:

- S1: 81 – 90 Pt.
- U2: 71 – 80 Pt.
- B3: 56 – 70 Pt.
- G4: 46 – 55 Pt.

- Lecture (Exam): 50 Pt.
- Lab: 40 Pt.
 - Ass1: 20
 - Ass2: 20



- Lab:
 - **2 assignments**, to solve in **groups of 3** students
 - First assignment will be online this evening
 - → Deadline is mid of November
 - Second assignment will be available afterwards
 - → Deadline end of semester (shortly after the holidays)
 - For both assignments there will be assignment interviews (participation mandatory)
 - **Registration** for the lab is necessary
 - DSG Teaching Tool

- Lab Contents:
 - Ass1: Java Web Services (JAX-WS, JAX-RS, JAXB)
 - Ass2: WS-BPEL, WSA, Registries

- Tools:
 - Apache Ant, Apache CXF, NetBeans, Glassfish

- Prerequisites:
 - Solid Java programming skills
 - Design patterns, distributed systems, threading, ...
 - HTTP, XML, XML Schema
 - Ability to read online documentation / specs / standards

- Assignment Interview:
 - In the week after the assignment deadlines
 - (about 15 minutes for every group)
 - Groups present their solutions to the tutor
 - Optimally, groups bring their own laptops, with solutions already set up
 - Some background questions will be asked
 - Accounts for 4 Pt. per assignment



... if you want to know more about Web services ...

- ... then consider doing your master's thesis (or 'Praktikum', bachelor's thesis, ...) with us:
- Example topics:
 - Aspect-Based Adaptation of Windows Workflows
 - A User Interface for the VRESCo SOA Runtime Environment
 - Skyline Queries for Web Service Discovery
 - ...

